Panasonic Broadcast

AJ-SPC700p
Menu Information

8-2 SYSTEM SETTING

8-2-1 SYSTEM MODE

Items/ Data Saved	Adjustable Range	Remarks
REC SIGNAL – C U F E	CAM VIDEO 1394	Select video input signals. **CAM:** Record the signal from the camera **VIDEO:** Record the signal from the GENLOCK IN terminal **1394:** Record the signal from the 1394 input terminal (when optional AJ-YAD800G is attached) **<Notes>** ● After the power has been turned OFF, this setting defaults to CAM when the power is turned ON again. ● With VIDEO selected, to synchronise this camera-recorder to the video signal (VBS) that is input to the GENLOCK IN terminal, the GENLOCK item in [8-2-6 GENLOCK] must be set to EXT.
ASPECT – C U F E	16:9 4:3	Select the aspect ratio for recording. **16:9:** Record in <16:9> aspect ratio. **4:3:** Record in <4:3> aspect ratio.
REC MODE – C U F E	50M 25M DV	Select the recording mode. **50M:** Record in DVCPRO50 format. **25M:** Record in DVCPRO format. **DV:** Record in DV format.
SET UP – C U F E	0% 7.5%A	Switch the setup. **0%:** Setup is switched to 0% for both the camera output and the recording. **7.5%A:** Setup is switched to 7.5% for the camera output and 0% for the recording.
REC TALLY – C U F E	RED GREEN CHAR	Selects display of the recording status of the camera when the AJ-SPC700P is controlling an external VTR, by setting the menu option 1394 CONTROL to "BOTH". The menu option 1394 CONTROL is found in the OPTION MODE screen on the SYSTEM setting page. **RED:** The red tally lamp lights up. **GREEN:** The green tally lamp lights up. **CHAR:** The VF displays [REC] in characters. **<Note>** 1394 control menu options are only displayed when an IEEE1394 interface board (AJ-YAD800G, optional accessory) is attached. For more information, see the AJ-YAD800G instruction manual.
ACCESS LED – C U F E	ON OFF	Select whether or not to enable illumination of the P2 card access LEDs. **ON:** Enable the P2 card access LEDs to light up for card status indications. **OFF:** LEDs remain off.
USB – – U F –	ON OFF	Select the USB drive mode when using the P2 card as bulk storage by connecting the AJ-SPC700P with a PC via USB2.0. **ON:** Switches to the USB drive mode. Recording, playback or thumbnail operation via the AJ-SPC700P is not permitted. **OFF:** Stops the USB drive mode, and returns to normal operation. **<Note>** After the power is turned off, this setting defaults to "OFF" when the power is next turned on.

8-2-2 OPTION MODE

Items/ Data Saved	Adjustable Range	Remarks
SAVE SW (AUD OUT) – C U F –	ON OFF	Select whether or not to forcibly disable the audio output when the SAVE ON/OFF switch is set to [ON]. **ON:** Disable audio output. **OFF:** Enable audio output.
SAVE SW (LCD) – C U F –	ON OFF	Select whether or not to automatically turn off the LCD monitor when the SAVE ON/OFF switch is set to [ON]. **ON:** Turn off LCD monitor. **OFF:** Do not turn off LCD monitor.

<Note>

Menu options for setting 1394 are displayed when an IEEE1394 interface board (AJ-YAD800G, optional) is attached. For more information, see the AJ-YAD800G instruction manual. Note that the AJ-SPC700P incorporates the following additional items:

Items/ Data Saved	Adjustable Range	Remarks
1394 CONTROL – C U F –	OFF BOTH	Select the control method for recording when an external device for backup recording is connected via the DVCPRO/DV connector: **OFF:** The external device is not controlled. **BOTH:** Recording is performed by both the AJ-SPC700P and the external device.
1394 CMD SEL – C U F –	REC_P STOP	Determine the recording operation of the external backup device when the REC START/STOP button is pressed: **REC_P:** Record/Pause **STOP:** Record/Stop

The ____ in the Adjustable Range column indicates the preset mode.

8-2-3 REC FUNCTION

Items/ Data Saved	Adjustable Range	Remarks
PRE REC MODE – C U F –	ON OFF	Select whether or not to enable PRE RECORDING. **ON:** PRE RECORDING enabled. **OFF:** PRE RECORDING disabled. **<Note>** Specify the PRE RECORDING time by using the menu option PRE REC TIME.
PRE REC TIME – C U F –	1SEC : 8SEC : 15SEC	Set PRE RECORDING. **1-15SEC:** Set the length of time that can be retrospectively recorded before the REC START button is pressed. **<Note>** The maximum selectable range is 8 seconds when the REC MODE in the <SYSTEM MODE> screen is set to 50M (DVCPRO50).
LOOP REC MODE – – – F –	ON OFF	Select whether or not to enable LOOP REC. This setting can be used with PRE RECORDING features. **ON:** Enable LOOP REC. **OFF:** Disable LOOP REC. **<Note>** After the power is turned off, this item will default to OFF the next time the power is turned on.
VOICE MEMO RESERV – C U F –	ON OFF	Set the available memory space for voice memos in P2 cards. **ON:** Reserve a voice memo area of 10 minutes or longer separately from the video recording capacity. The voice memo area can be used even when FULL is displayed for the recording capacity of the P2 card. **OFF:** Do not reserve any voice memo space. **<Note>** Even when this item is set to OFF, and FULL is displayed for the P2 card's recording capacity, it may be possible to record voice memos depending on the status of the P2 card.
REC START – C U F –	ALL NORMAL	Select operating modes that allow recording to start. **ALL:** Allow recording to start during stop, recording pause, and playback. **NORMAL:** Allow recording to start during stop and recording pause.
P.ON REC SLOT SEL – C U F –	HOLD SLOT1	Select the recording order of the slot when the power is turned on. **HOLD:** The recording order starts with the card previously selected when the power was turned off. **SLOT1:** The recording order starts with the card that is inserted in Slot 1 when the power is turned on.

8-2-4 OUTPUT SEL

Items/ Data Saved	Adjustable Range	Remarks
VIDEO OUT SEL – C U F –	VBS VF Y	Select the output signal on the VIDEO OUT connecter. **VBS:** Output a regular composite signal. **VF:** Output a VF Y signal. The status display is also superimposed. **Y:** Output a component Y signal.
OUTPUT CHAR – C U F –	MENU ONLY TC STATUS	Set the character contents superimposed onto the output signals for the VIDEO OUT connecter. **MENU ONLY:** Displays only when the menu characters are superimposed. No display appears when other characters are superimposed. **TC:** Display the time code. (Displays the menu when menu characters are superimposed.) **<Note>** The TC display position moves up and down depending on the camera ID position. **STATUS**: Display the same characters superimposed on the VF signal. (Displays the menu when menu characters are superimposed.)
LCD MON CHAR – C U F –	ON OFF	Select whether or not to superimpose characters on the LCD monitor. (The character content is the same as the video output signal.) **ON:** Enable superimpose. (Not interlocked with the VIDEO OUT CHARACTER switch.) **OFF:** Disable superimpose. (Not interlocked with the VIDEO OUT CHARACTER switch.)
VF MODE – C U F –	EE/PB EE	Select the image to display in the viewfinder. **EE/PB:** Display the playback image in the playback mode. **EE:** Always display the camera image.
THUMBNAIL OUT – C U F –	ON OFF	Select whether or not to output clip thumbnails displayed on the LCD monitor to the video output signals. **ON:** Enable output. **OFF:** Disable output.

The ____ in the Adjustable Range column indicates the preset mode.

8-2-5 LCD MONITOR

Items/ Data Saved	Adjustable Range	Remarks
BRIGHTNESS – C U F –	–7 : +0 : +7	Adjust the LCD monitor brightness.
COLOR LEVEL – C U F –	–7 : +0 : +7	Adjust the LCD monitor chroma level.
CONTRAST – C U F –	–7 : +0 : +7	Adjust the LCD monitor contrast.
BACKLIGHT – C U F –	NORMAL HIGH	Select whether or not to set the LCD monitor brightness to always high. **NORMAL:** The brightness changes according to the BRIGHTNESS setting. **HIGH:** Set to always high.
SELF SHOOT – C U F –	NORMAL MIRROR	Select whether or not to change the LCD monitor to mirror image. **NORMAL:** Do not change to mirror image. **MIRROR:** Change to mirror image.
ASPECT CONV. – C U F –	SQUEEZE LT.BOX	Select a screen ratio for images displayed on the LCD monitor. **SQEEZE:** Display images in the squeeze size. **LT.BOX:** Display images in the letter box size. **<Note>** This item is enabled only when ASPECT described in “8-2-1 SYSTEM MODE” is set to16:9.

8-2-6 GENLOCK

Items/ Data Saved	Adjustable Range	Remarks
GENLOCK – C U F E	INT EXT	Switch the camera synchronising signal. **INT:** Synchronise with the internal reference signal regardless of the reference signal input to the GENLOCK IN terminal. **EXT:** Synchronise with the reference signal input to the GENLOCK IN terminal.
H PHASE COARSE – – – – –	–50 : +00 : +50	Perform coarse phase adjustment for horizontal hold when configuring a system.
H PHASE FINE – – – – –	–160 : +000 : +160	Perform fine phase adjustment for horizontal hold when configuring a system. **<Note>** This adjustment simultaneously shifts the SC phase.
SC PHASE COARSE – – – – –	0 1 : 3	Perform coarse SC PHASE adjustment when GENLOCK is set.
SC PHASE FINE – – – – –	–75 : +00 : +75	Perform fine SC PHASE adjustment when GENLOCK is set. **<Note>** When adjusting GENLOCK, please adjust H PHASE first, and then adjust SC PHASE.

The ____ in the Adjustable Range column indicates the preset mode.

8-3 PAINT

8-3-1 ROP

Items/ Data Saved	Adjustable Range	Remarks
MASTER PED S C U F E	–200 : +005 : +200	Set the master pedestal level.
MASTER DTL S C U F E	–31 : +00 : +31	Set the H Detail and V Detail levels.
MASTER GAMMA S C U F E	0.35 : 0.45 : 0.75	Set MASTER GAMMA in 0.01 steps.
KNEE POINT S C U F E	70.0% : 85 0% : 107.0%	Set the KNEE POINT position in 0.5% steps.
KNEE SLOPE S C U F E	0 : 50 : 99	Set the KNEE slope.
R GAIN S C U F E	–200 : +000 : +200	Set the Rch gain.
G GAIN S C U F E	–200 : +000 : +200	Set the Gch gain.
B GAIN S C U F E	–200 : +000 : +200	Set the Bch gain.
R PEDESTAL S C U F E	–100 : +000 : +100	Set the Rch pedestal level.
G PEDESTAL S C U F E	–100 : +000 : +100	Set the Gch pedestal level.
B PEDESTAL S C U F E	–100 : +000 : +100	Set the Bch pedestal level.

8-3-2 MATRIX

Items/ Data Saved	Adjustable Range	Remarks
■MATRIX TABLE S C U F E	A B	Select the color correction table. 2 types of tables can be stored: type A and type B.
MATRIX R-G S C U F E	–31 : +06 : +31	Adjust the tint.
MATRIX R-B S C U F E	–31 : +12 : +31	Adjust the tint.
MATRIX G-R S C U F E	–31 : +06 : +31	Adjust the tint.
MATRIX G-B S C U F E	–31 : –01 : +31	Adjust the tint.
MATRIX B-R S C U F E	–31 : +07 : +31	Adjust the tint.
MATRIX B-G S C U F E	–31 : –05 : +31	Adjust the tint.
■MATRIX TABLE S C U F E	OFF A B	Select the color correction table to be applied to the selected GAIN switch (L/M/H).

<Note>

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.
Please refer to [8-7-2 SD CARD R/W SELECT] for more information.

The ____ in the Adjustable Range column indicates the preset mode.

8-3-3 COLOR CORRECTION

Items/ Data Saved	Adjustable Range	Remarks
R (SAT/PHASE)	–63 : +00 : +63	Perform red color correction (saturation and hue).
S C U F E		
R-Mg (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation and hue) between red and magenta.
S C U F E		
Mg (SAT/PHASE)	–63 : +00 : +63	Perform magenta color correction (saturation and hue).
S C U F E		
Mg-B (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation and hue) between magenta and blue.
S C U F E		
B (SAT/PHASE)	–63 : +00 : +63	Perform blue color correction (saturation and hue).
S C U F E		
B-Cy (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation and hue) between blue and cyan.
S C U F E		
Cy (SAT/PHASE)	–63 : +00 : +63	Perform cyan color correction (saturation and hue).
S C U F E		
Cy-G (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation and hue) between cyan and green.
S C U F E		
G (SAT/PHASE)	–63 : +00 : +63	Perform green color correction (saturation, hue).
S C U F E		
G-Yl (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation, hue) between green and yellow.
S C U F E		
Yl (SAT/PHASE)	–63 : +00 : +63	Perform yellow color correction (saturation, hue).
S C U F E		
Yl-R (SAT/PHASE)	–63 : +00 : +63	Perform color correction (saturation, hue) between yellow and red.
S C U F E		
■COLOR CORRECT	ON OFF	Select whether or not to enable color correction for the selected GAIN switch (L/M/H). **ON:** Enable correction. **OFF:** Disable correction.
S C U F E		

8-3-4 LOW SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN	–3dB : 0dB : 30dB	Select the master gain from –3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30dB.
S C U F E		
H.DTL LEVEL	00 : 17 : 63	Set H.DTL LEVEL.
S C U F E		
V.DTL LEVEL	00 : 18 : 31	Set V.DTL LEVEL.
S C U F E		
DTL CORING	00 : 02 : 15	Set DTL CORING.
S C U F E		
H.DTL FREQ.	00 : 20 : 31	Set a frequency (DTL width) at which H.DTL is added. The greater the value, the higher the frequency (the narrower the DTL).
S C U F E		
LEVEL DEPEND.	0 1 : 5	Set LEVEL DEPEND. No DTL is added to the portion whose brightness is the setting value or less. When the GAMMA MODE SEL item is set to STD1, each setting value represents brightness levels, as follows: 0 = about 0%, 1 = about 4%, 2 = about 8%, 3 = about 12%, 4 = about 16%, 5 = about 20%.
S C U F E		
MASTER GAMMA	0.35 : 0.45 : 0.75	Set MASTER GAMMA in 0.01 steps.
S C U F E		
BLACK STRETCH	–3 : OFF : +3	Set the gamma curb for dark spots.
S C U F E		
■MATRIX TABLE	OFF A B	Select the color correction table.
S C U F E		
■COLOR CORRECT	ON OFF	Set the color correction to ON or OFF.
S C U F E		

<Note>

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.

Please refer to [8-7-2 SD CARD R/W SELECT] for more information.

The ____ in the Adjustable Range column indicates the preset mode.

8-3-5 MID SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN S C U F E	–3dB : 9dB : 30dB	Select the master gain from –3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30dB.
H.DTL LEVEL S C U F E	00 : 14 : 63	Set H.DTL LEVEL.
V.DTL LEVEL S C U F E	00 : 15 : 31	Set V.DTL LEVEL.
DTL CORING S C U F E	00 : 03 : 15	Set DTL CORING.
H.DTL FREQ. S C U F E	00 : 20 : 31	Set a frequency (DTL width) at which H.DTL is added. The greater the value, the higher the frequency (the narrower the DTL).
LEVEL DEPEND. S C U F E	0 1 : 5	Set LEVEL DEPEND. No DTL is added to the portion whose brightness is the setting value or less. When the GAMMA MODE SEL item is set to STD1, each setting value represents brightness levels, as follows: 0 = about 0%, 1 = about 4%, 2 = about 8%, 3 = about 12%, 4 = about 16%, 5 = about 20%.
MASTER GAMMA S C U F E	0.35 : 0.45 : 0.75	Set MASTER GAMMA in 0.01 steps.
BLACK STRETCH S C U F E	–3 : OFF : +3	Set the gamma curb for dark spots.
■MATRIX TABLE S C U F E	OFF A B	Select the color correction table.
■COLOR CORRECT S C U F E	ON OFF	Set the color correction to ON or OFF.

8-3-6 HIGH SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN S C U F E	–3dB : 18dB : 30dB	Select the master gain from –3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30dB.
H.DTL LEVEL S C U F E	00 : 12 : 63	Set H.DTL.
V.DTL LEVEL S C U F E	00 : 14 : 31	Set V.DTL LEVEL.
DTL CORING S C U F E	00 : 05 : 15	Set DTL CORING.
H.DTL FREQ. S C U F E	00 : 20 : 31	Set a frequency (DTL width) at which H.DTL is added. The greater the value, the higher the frequency (the narrower the DTL).
LEVEL DEPEND. S C U F E	0 : 3 : 5	Set LEVEL DEPEND. No DTL is added to the portion whose brightness is the setting value or less. When the GAMMA MODE SEL item is set to STD1, each setting value represents brightness levels, as follows: 0 = about 0%, 1 = about 4%, 2 = about 8%, 3 = about 12%, 4 = about 16%, 5 = about 20%.
MASTER GAMMA S C U F E	0.35 : 0.55 : 0.75	Set MASTER GAMMA in 0.01 steps.
BLACK STRETCH S C U F E	–3 : OFF : +3	Set the gamma curb for dark spots.
■MATRIX TABLE S C U F E	OFF A B	Select the color correction table.
■COLOR CORRECT S C U F E	ON OFF	Set the color correction to ON or OFF.

<Note>

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.

Please refer to [8-7-2 SD CARD R/W SELECT] for more information.

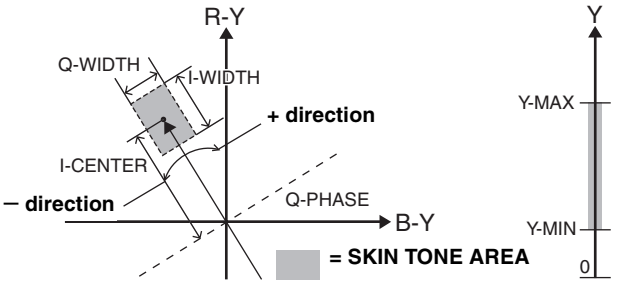
The ____ in the Adjustable Range column indicates the preset mode.

8-3-7 ADDITIONAL DTL

Items/ Data Saved	Adjustable Range	Remarks
KNEE APE LVL S C U F E	OFF 1 2 : 5	Set KNEE APE LEVEL.
CHROMA DTL S C U F E	OFF 1 : 5	Set the chroma detail. Detects the chroma edge and superimposes it on Y to enhance H.DTL. A greater value increases the correction.
DTL GAIN(+) S C U F E	–31 : +00 : +31	Adjust the detail level toward + (upwards).
DTL GAIN(–) S C U F E	–31 : +00 : +31	Adjust the detail level toward the – (downwards).
DTL CLIP S C U F E	00 : 63	Adjust the detail signal clip towards the + direction.
DTL SOURCE S C U F E	(R+G)/2 (G+B)/2 2G+R+B /4 (3G+R)/4 R G	Set the signal source for detail signal components.
H.DTL LINE MIX S C U F E	0H 1H 2H	Set the scan line to generate the H.DTL signal.
■CORNER DTL S C U F E	ON OFF	ON/OFF switching for CORNER DTL mode, which enhances the resolution around the screen perimeter.

8-3-8 SKIN TONE DTL

Items/ Data Saved	Adjustable Range	Remarks
■SKIN TONE DTL S C U F E	ON OFF	Set the skin tone DTL to ON or OFF.
■SKIN TONE ZEBRA S C U F E	ON OFF	ON/OFF switching for ZEBRA within the SKIN TONE range.
SKIN DTL CORING S C U F E	0 : 5 : 7	Adjust the effect of SKIN TONE DTL CORING.
SKIN TONE GET – – – – –		Used when obtaining the target hue for SKIN TONE DTL. Align the center marker and the target object with each other.
Y MAX S C U F E	000 : 190 : 255	Set the maximum value of the brightness signal to which SKIN TONE effect is enabled.
Y MIN S C U F E	000 : 010 : 255	Set the minimum value of the brightness signal to which the SKIN TONE effect is enabled.
I CENTER S C U F E	000 : 022 : 255	Set the center position on the I axis (the area where SKIN TONE is enabled).
I WIDTH S C U F E	000 : 010 : 255	Set the area width where SKIN TONE is enabled along the I axis above and below the I CENTER.
Q WIDTH S C U F E	000 : 005 : 255	Set the area width where SKIN TONE is enabled along the Q axis above and below the I CENTER.
Q PHASE S C U F E	–128 : +000 : +127	Set the phase in the area where SKIN TONE is enabled based on the Q axis.



<Note>

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.
Please refer to [8-7-2 SD CARD R/W SELECT] for more information.

The ____ in the Adjustable Range column indicates the preset mode.

8-3-9 KNEE/LEVEL

Items/ Data Saved	Adjustable Range	Remarks
MASTER PED S C U F E	–200 : +005 : +200	Set the master pedestal.
■MANUAL KNEE S C U F E	ON OFF	Set the mode when the AUTO KNEE switch is OFF. The KNEE POINT/ SLOPE set value is enabled when this setting is ON.
KNEE POINT S C U F E	70.0% : 85.0% : 107.0%	Set the KNEE POINT position in 0.5% steps.
KNEE SLOPE S C U F E	00 : 50 : 99 (98)	Set the KNEE SLOPE. 0 setting is equal to KNEE OFF. **<Note>** The adjustable range when using the AJ-EC3P is from 00 to 98.
■WHITE CLIP S C U F E	ON OFF	Set the WHITE CLIP feature to ON or OFF. The WHITE CLIP LVL set value is enabled when this setting is ON.
WHITE CLIP LVL S C U F E	90% : 105% : 109%	Set WHITE CLIP LEVEL.
A.KNEE POINT S C U F E	80% : 85% : 107%	Set the AUTO KNEE POINT position in 0.5% steps. This setting is enabled when the OUTPUT/AUTO KNEE selector switch is set to CAM.AUTO KNEE ON.
A.KNEE LVL S C U F E	100 : 105 : 109	Set the AUTO KNEE LEVEL.
A.KNEE RESPONSE S C U F E	1 : 4	Set the AUTO KNEE response speed. The smaller the setting value, the faster the response speed.

<Note>

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.

Please refer to [8-7-2 SD CARD R/W SELECT] for more information.

8-3-10 GAMMA

Items/ Data Saved	Adjustable Range	Remarks
MASTER GAMMA S C U F E	0.35 : 0.45 : 0.75	Set the master gamma in 0.01% steps.
R GAMMA S C U F E	–15 : +00 : +15	Set the Rch gamma.
B GAMMA S C U F E	–15 : +00 : +15	Set the Bch gamma.
GAMMA MODE SEL S C U F E	STD1 STD2 NEWS	Select the gamma. **STD1:** Standard gamma feature. **STD2:** Gamma feature that conforms to the ITU-R.BT709 standards. **NEWS:** This video gamma feature can effectively reproduce gradations by reducing whiteouts and blackouts when shooting an object with partially highlighted areas. This gamma is especially effective in the AUTO KNEE mode. **<Note>** Selecting NEWS gamma disables settings under the items KNEE SLOPE, KNEE POINT, and A.KNEE POINT outlined in [8-3-9 KNEE/LEVEL]. These settings are also disabled when NEWS gamma is selected with the USER switch.

8-3-11 FLARE

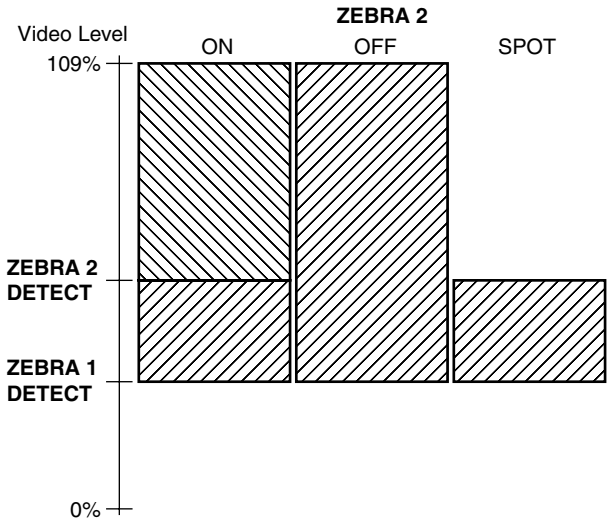
Items/ Data Saved	Adjustable Range	Remarks
R FLARE S C U F E	000 : 100	Set the R FLARE.
G FLARE S C U F E	000 : 100	Set the G FLARE.
B FLARE S C U F E	000 : 100	Set the B FLARE.

The ____ in the Adjustable Range column indicates the preset mode.

8-3-12 ■CAMERA SETTING

Items/ Data Saved	Adjustable Range	Remarks
DETAIL S C U F E	ON OFF	Set the DTL (H, V) to ON or OFF.
2D LPF S C U F E	ON OFF	ON/OFF switching for the two-dimensional LPF that reduces cross-color.
HIGH COLOR S C U F E	ON OFF	ON/OFF switching for the HIGH COLOR mode, which enhances the color dynamic range.
GAMMA S C U F E	ON OFF	Set the gamma circuit to ON or OFF.
TEST SAW S C U F E	ON OFF	Switch the test signal ON or OFF.
FLARE S C U F E	ON OFF	Set the flare correction to ON or OFF.
H-F COMPE. S C U F E	ON OFF	ON/OFF switching for the H-F COMPE mode, which enhances the DTL in the high-frequency range.

ZEBRA Pattern Display



<Note>

All items in CAMERA SETTING are setting targets of the item PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen.

8-4 VF

8-4-1 VF DISPLAY

Items/ Data Saved	Adjustable Range	Remarks
DISP CONDITION – C U F E	NORMAL HOLD	**NORMAL:** Display status constantly. **HOLD:** Display status only when the MODE CHECK switch is pressed.
DISP MODE – C U F E	1 2 3	Set the DISP MODE. Switch the camera's Warning/Message indication. Please refer to [4-7-4 Display Modes and Setting Changes/ adjustment Result Messages] for more information.
VF OUT – C U F E	Y NAM R G B	Select the VF output. **Y:** Brightness signal **NAM:** Output signal with the highest level among R, G, and B signals. **R:** Rch signal **G:** Gch signal **B:** Bch signal
VF DTL – C U F E	0 : 3 : 5	Select the VF DTL. Additionally enhance the DTL for the VF signal. 0 setting is the same DTL as the primary scan lines.
ZEBRA1 DETECT – C U F E	0% : 70% : 109%	Set the ZEBRA1 detection level (IRE value).
ZEBRA2 DETECT – C U F E	0% : 85% : 109%	Set the ZEBRA2 detection level (IRE value).
ZEBRA2 – C U F E	OFF SPOT ON	Set the ZEBRA2 to ON, OFF, or SPOT.
LOW LIGHT LVL – C U F E	OFF 10% 15% 20% 25% 30% 35%	Set the camera incoming light volume at which to display LOW LIGNT.
ECU MENU DISP. – C U F E	ON OFF	Set the menu display on the VF to ON or OFF when the ECU is connected.
50M INDICATOR – C U F E	ON OFF	Set the 50M recording indication to ON or OFF.
MARKER/CHAR LVL – C U F E	50% 60% 70% 80% 90% 100%	Adjust the brightness of markers and characters displayed on the VF.

The ____ in the Adjustable Range column indicates the preset mode.

8-4-2 VF MARKER

Items/ Data Saved	Adjustable Range	Remarks
TABLE – C U F E	A B	Select the VF MARKER setting table. First, select table A or B, then set the items below for each table.
CENTER MARK – C U F E	OFF 1 2 3 4	Switch the center mark. **OFF:** Do not display center mark. **1:** + (large) **2:** Hollow (large) **3:** + (small) **4:** Hollow (small)
SAFETY ZONE – C U F E	OFF 1 2	Select the frame type for the safety zone. **OFF:** Do not display frame. **1:** Box **2:** Corner frame
SAFETY AREA – C U F E	80% : 90% : 100%	Set the position of the safety zone.
FRAME SIG – C U F E	4:3 13:9 14:9 VISTA	Set the frame marker. Only enabled when REC MODE is set to 16:9. The VISTA ratio is 16:8.65.
FRAME MARK – C U F E	ON OFF	Set the frame marker to ON or OFF.
FRAME LVL – C U F E	0 : 15	Set the level outside the frame marker. **0:** Equivalent to signal OFF. **15:** Same brightness as center area. This setting, however, is disabled if the FRAME SIG is set to VISTA.

8-4-3 USER BOX

Items/ Data Saved	Adjustable Range	Remarks
USER BOX – C U F E	ON OFF	Select whether or not to display the USER BOX.
USER BOX WIDTH – C U F E	1 : 13 : 100	Set the width of the USER BOX.
USER BOX HEIGHT – C U F E	1 : 13 : 121	Set the height of the USER BOX.
USER BOX H POS – C U F E	–50 : +00 : +50	Set the horizontal position of the USER BOX.
USER BOX V POS – C U F E	–121 : +000 : +121	Set the vertical position of the USER BOX.

8-4-4 VF INDICATOR1

Items/ Data Saved	Adjustable Range	Remarks
EXTENDER – C U F E	ON OFF	Set the extender indication to ON or OFF.
SHUTTER – C U F E	ON OFF	Set the shutter speed indication to ON or OFF.
FILTER – C U F E	ON OFF	Set the filter No. indication to ON or OFF.
WHITE – C U F E	ON OFF	Set the AWB PRE/A/B indication to ON or OFF.
GAIN – C U F E	ON OFF	Set to ON or OFF the indications for current gain setting, S.GAIN.
IRIS – C U F E	OFF IRIS S+IRIS S	**OFF:** Disable indications of both the super iris ON status and the iris value. **IRIS:** Enable only the iris value indication. **S+IRIS:** Enables indications of the super iris ON status and the iris value. **S:** Enable indication of the super iris ON status. (The iris value indication and the iris override indication/non indication are interlocked.)
CAMERA ID – C U F E	OFF BAR CAM ALWAYS	Select when to enable the ID mix during recording. **OFF:** Disable ID mix. **BAR:** Enable when recording color bars. **CAM:** Enable when recording camera image. **ALWAYS:** Enable always. **<Note>** ID MIX INH of the “8-9-1 OPTION” is set to OFF to mix an ID to the camera image. ID is not superimposed in the EE mode, but recorded onto the P2 card.
ID POSITION – C U F E	UPPER R UPPER L LOWER R LOWER L	Set the camera ID recording position. **UPPER R:** Upper right. **UPPER L:** Upper left. **LOWER R:** Lower right. **LOWER L:** Lower left.
DATE/TIME – C U F E	ON OFF	Select whether or not to simultaneously mix the year/month/date and hour/minute/second when recording the camera ID.
ZOOM LVL – C U F E	ON OFF	Set the zoom position indication to ON or OFF.
COLOR TEMP – C U F E	ON OFF	Set the color temperature indication to ON or OFF.

The ____ in the Adjustable Range column indicates the preset mode.

8-4-5 VF INDICATOR2

Items/ Data Saved	Adjustable Range	Remarks
P2CARD REMAIN – C U F E	OFF ONE-CARD TOTAL	Select the indication mode for the P2 card's remaining capacity. **OFF:** Disable the remaining capacity indication. **ONE-CARD:** Display the remaining capacity of the P2 card currently used for recording. **TOTAL:** Display the total remaining capacity of all P2 cards in slots.
BATTERY – C U F E	ON OFF	Set the battery voltage indication to ON or OFF.
AUDIO LVL – C U F E	ON OFF	Set the audio lever meter indication to ON or OFF.
TC – C U F E	OFF TCG TCR TCG/TCR	Select the time code to display. **OFF:** Disable the time code display. **TCG:** Display the time code generator value in E-E mode. **TCR:** Display the time code reader value in V-V mode. **TCG/TCR:** Display the time code generator value in E-E mode, and the time code reader value in V-V mode.
SYSTEM INFO – C U F E	OFF ALWAYS NORMAL	Select the method of displaying system information and warnings. **OFF:** Display no warnings other than "TURN POWER OFF" and "SYSTEM ERROR". **ALWAYS:** Always display warnings. **NORMAL:** Display warnings for 3 seconds only when problems occur.
SAVE LED – C U F E	P2CARD SAVE	Set the SAVE lamp function. **P2CARD:** The lamp blinks in synch with the warning message when the P2 card's remaining recording capacity is getting low. **SAVE:** The lamp lights up when the SAVE ON/OFF switch is set to ON and the output system assigned in [8-2-2 OPTION MODE] is in the save mode.
DV – C U F E	ON OFF	DV Select whether or not to enable DV indication when the format is set to DV. **ON:** Enable DV indication. **OFF:** Disable DV indication.
VOICEMEMO – C U F E	ON OFF	Select whether or not to enable the V indication during voice memo recording. **ON:** Enable V indication. **OFF:** Disable V indication.
REC STATUS – C U F –	ON OFF	Select whether or not to enable "REC" indication in the viewfinder and on the LCD monitor during recording. **ON:** REC indication enabled. **OFF:** REC indication not enabled. **<Note>** This option is useful when the AJ-SPC700P is used independently. When the 1394 control option is set to BOTH with an external IEEE 1394 device, settings are subject to setting of the menu option REC TALLY in SYSTEM MODE.
PROXY REC – C U F –	ON OFF	When a video encoder card (AJ-YAX800G, optional) is attached, proxy recording information is displayed when recording starts. **ON:** Display indicating whether proxy recording is to be performed on the P2 card only, or on both the P2 card and the SD memory card. **OFF:** Proxy recording information is not displayed.

8-4-6 MODE CHECK IND

Items/ Data Saved	Adjustable Range	Remarks
STATUS – C U F E	ON OFF	Select whether or not to display the status indication during MODE CHECK.
!LED – C U F E	ON OFF	Select whether or not to display the cause indication screen when the ! LED turns on during MODE CHECK
FUNCTION – C U F E	ON OFF	Select whether or not to display the FUNCTION indication screen during MODE CHECK.
AUDIO – C U F E	ON OFF	Select whether or not to display the AUDIO indication screen during MODE CHECK.
P.ON IND – C U F E	ON OFF	Select whether or not to display the status indication screen after the power is turned ON.

The ____ in the Adjustable Range column indicates the preset mode.

8-4-7 !LED

Items/ Data Saved	Adjustable Range	Remarks
GAIN(0dB) – C U F E	ON OFF	Select whether or not to illuminate when GAIN is set to other than 0 dB.
GAIN (-3dB) – C U F E	ON OFF	Select whether or not to illuminate when GAIN is set to other than –3 dB.
SHUTTER – C U F E	ON OFF	Select whether or not to illuminate when the shutter is set to ON.
WHITE PRESET – C U F E	ON OFF	Select whether or not to illuminate when the WHITE BAL switch is set to PRST.
EXTENDER – C U F E	ON OFF	Select whether or not to illuminate when the lens is in EXTENDER mode.
BLACK STR – C U F E	ON OFF	Select whether or not to illuminate when BLACK STRETCH is used.
MATRIX – C U F E	ON OFF	Select whether or not to illuminate when MATRIX is set to ON.
COLOR CORRECTION – C U F E	ON OFF	Select whether or not to illuminate when COLOR CORRECTION is set to ON.
FILTER – C U F E	ON OFF	Select whether or not to illuminate the lamp when filter1 (3200K) is not 3200K.
SUPER V – C U F E	ON OFF	Select whether or not to illuminate when SUPER V is set to ON.
50M/25M/DV – C U F E	OFF W/O 50M W/O 25M W/O DV	Select whether or not to illuminate according to the recording mode. **OFF:** Does not illuminate in any recording mode. **W/O 50M:** Illuminate except in DVCPRO50 mode. **W/O 25M:** Illuminate except in DVCPRO mode. **W/O DV:** Illuminate except in DV mode.
ATW – C U F E	ON OFF	Select whether or not to illuminate when auto-tracking white balance is allocated to the WHITE BAL switch B.

<Note>

If both GAIN (0 dB) and GAIN (–3 dB) are set to ON, the LED illuminates except when GAIN is adjusted to 0 dB and –3 dB.

8-5 CAM OPERATION

8-5-1 CAMERA ID

Items/ Data Saved	Adjustable Range	Remarks
ID1 – C U F –		Setting 1 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.
ID2 – C U F –		Setting 2 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.
ID3 – C U F –		Setting 3 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.

<Note>

This setting is canceled when READ FACTORY DATA is selected.

8-5-2 SHUTTER SPEED

Items/ Data Saved	Adjustable Range	Remarks
SYNCHRO SCAN – C U F E	ON OFF	Allocate SYNCHRO SCAN as a shutter speed selectable by the shutter switch.
SUPER V – C U F E	ON OFF	Allocate SUPER V as a shutter speed selectable by the shutter switch.
POSITION1 – C U F E	ON OFF	Allocate the shutter speed set by POSITION1 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.
POSITION2 – C U F E	ON OFF	Allocate the shutter speed set by POSITION2 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.
POSITION3 – C U F E	ON OFF	Allocate the shutter speed set by POSITION3 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.
POSITION4 – C U F E	ON OFF	Allocate the shutter speed set by POSITION4 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.
POSITION5 – C U F E	ON OFF	Allocate the shutter speed set by POSITION5 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.
POSITION6 – C U F E	ON OFF	Allocate the shutter speed set by POSITION6 SELECT in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.

The ____ in the Adjustable Range column indicates the preset mode.

8-5-3 SHUTTER SELECT

Items/ Data Saved	Adjustable Range	Remarks
SUPER V MODE – C U F E	FRM1 FRM2	Select the SUPER V switching mode. **FRM1:** Normal mode. **FRM2:** After-image reduction mode. **<Note>** The SUPER V mode increases vertical resolution by directly outputting the photo-diode vertical signal from the CCD. FRM1 sets the accumulation level to 1/30th second. FRM sets the level to 1/60th second, reducing sensitivity by half.
POSITION1 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION1.
POSITION2 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION2.
POSITION3 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION3.
POSITION4 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION4.
POSITION5 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION5.
POSITION6 SEL – C U F E	1/100 1/120 1/250 1/500 1/1000 1/2000	Select the shutter speed to be allocated to POSITION6.

8-5-4 USER SW

Items/ Data Saved	Adjustable Range	Remarks
USER MAIN SW – C U F E	INH S.GAIN S.IRIS I.OVR S.BLK B.STR ATW Y GET NEWS-G. AUDIO CH1 AUDIO CH2 REC SW RET SW SLOT SEL PRE REC USB	Allocate the USER MAIN button.
USER1 SW – C U F E	INH S.GAIN S.IRIS I.OVR S.BLK B.STR ATW Y GET NEWS-G. AUDIO CH1 AUDIO CH2 REC SW RET SW SLOT SEL PRE REC USB	Allocate the USER1 button.
USER2 SW – C U F E	INH S.GAIN S.IRIS I.OVR S.BLK B.STR ATW Y GET NEWS-G. AUDIO CH1 AUDIO CH2 REC SW RET SW SLOT SEL PRE REC USB	Allocate the USER2 button.

<Note>

For each function of the USER switches, refer to [4-9-4 Assigning Functions to USER MAIN, USER1 and USER2 Buttons].

The ____ in the Adjustable Range column indicates the preset mode.

8-5-5 SW MODE

Items/ Data Saved	Adjustable Range	Remarks
RET SW – C U F E	REC CHECK CAM RET	Select the RET switch function. **REC CHECK:** Perform REC REVIEW. **CAM RET:** Perform return signal output.
S.BLK LVL – C U F E	OFF –10 –20 –30	Set the super black level.
AUTO KNEE SW S C U F E	ON OFF	Select whether or not to use the AUTO KNEE switch.
SHD,ABB SW CTL – C U F E	ON OFF	Select whether or not to enable the automatic black shading adjustment if the ABB switch has been pressed for 5 seconds or more.
COLOR BARS – C U F E	SMPTE FULL BARS SPLIT ARIB	Select the color bars to use. **SMPTE:** Use the SMPTE color bars. **FULL BARS:** Use full color bars. **SPLIT:** Use SPLIT color bars. **ARIB:** Use ARIB multi-format color bars.
S.GAIN OFF – C U F E	L/M/H S.GAIN	Select when the SUPER GAIN mode is disabled. **L/M/H:** Disabled when the gain selector switch is operated. **S.GAIN:** Disabled only with the S.GAIN switch (USER button).
ECU DATA SAVE – C U F –	ON OFF	**ON:** Store the values set and adjusted with the ECU when the ECU is disconnected from the camera-recorder. **OFF:** Does not store camera-related set values.
ECU REC CHK SW – C U F E	R.REVIEW PLAY	Select the camera-recorder operation to be performed when the ECU REC CHECK button is pressed. **R.REVIEW:** Perform REC REVIEW. **PLAY:** Play back the most-recently recorded clip from the beginning.

8-5-6 WHITE BALANCE MODE

Items/ Data Saved	Adjustable Range	Remarks
FILTER INH – C U F E	ON OFF	Select whether or not to retain white balance memory (A/B) data for individual filters. **ON:** Retain data in the A/B memory (2 memory areas) regardless of the filters. **OFF:** Retain data for individual filters.
SHOCKLESS AWB – C U F E	OFF FAST NORMAL SLOW1 SLOW2 SLOW3	Set SHOCKLESS AWB to ON (FAST/ NORMAL/SLOW1-3) or OFF. SHOCKLESS AWB eliminates the shock caused by switching the WHITE BAL switch's PRST/A/B setting. The switching time can also be selected.
AWB AREA – C U F E	25% 50% 90%	Switch the AWB detection area. **25%:** Detect 25% of area around the screen center. **50%:** Detect 50% of area around the screen center. **90%:** Detect 90% of area in the full screen.
AWB & ABB OFFSET – C U F E	ON OFF	Select whether or not to reset the GAIN and PED values in the ROP menu when AWB and ABB are executed. **ON:** Do not reset. **OFF:** Reset values.
COLOR TEMP PRE – C U F E	3200K : 5600K	Set the AWB PRE color temperature.
AWB A – C U F E	MEM VAR	Select the function to be allocated to WHITE BAL switch A. **MEM:** Function to store values set by executing the auto white balance. **VAR:** Function to apply color temperature set by COLOR TEMP A.
COLOR TEMP A – C U F E	3200K : 5600K	Set the color temperature when VAR is selected under AWB A.
AWB B – C U F E	MEM VAR ATW	Select the function to be allocated to WHITE BAL switch B. **MEM:** Function to store values set by executing auto white balance. **VAR:** Function to apply color temperature set by COLOR TEMP B. **ATW:** Function to execute auto-tracking white balance.
COLOR TEMP B – C U F E	3200K : 5600K	Set the color temperature when VAR is selected under AWB B.
ATW SPEED – C U F E	NORMAL SLOW FAST	Select the control speed for the auto-tracking white balance.

The ____ in the Adjustable Range column indicates the preset mode.

8-5-7 USER SW GAIN

Items/ Data Saved	Adjustable Range	Remarks
S.GAIN 30 dB – C U F E	✳ •	Select whether or not to enable 30dB for SUPER GAIN. ✳: Enable. •: Disable.
36 dB – C U F E	✳ •	Select whether or not to enable 36dB for SUPER GAIN. ✳: Enable. •: Disable.

8-5-8 IRIS

Items/ Data Saved	Adjustable Range	Remarks
A.IRIS LEVEL – C U F E	000 : 050 : 100	Set the target value for auto iris.
A.IRIS PEAK/ AVE – C U F E	000 : 040 : 100	Determine the peak-to-standard ratio for the auto iris. A larger value sets the auto iris to respond to the peak in the IRIS detection window, while a smaller value sets it to respond to the average value in the window.
A.IRIS MODE – C U F E	NORM1 NORM2 CENTR	Select the auto iris detection window. **NORM1:** The window closer to the center of the screen. **NORM2:** The window closer to bottom of the screen. **CENTR:** The spot window in the center of the screen.
S.IRIS LEVEL – C U F E	000 : 080 : 100	Set the target value for the super iris.
IRIS GAIN – C U F E	CAM LENS	Select which unit controls IRIS GAIN. **<Note>** Lenses with an extender, such as ×2, ×0.8 sold before FUJINON DIGI POWER, perform IRIS compensation while enabling the extender. Therefore, if this setting is switched to CAM, the camera's iris control will not operate properly.
IRIS GAIN VALUE – C U F E	01 : 08 : 20	Set the adjustable value for IRIS GAIN. This setting is effective when CAM is selected for IRIS GAIN.

8-6 MAIN OPERATION

8-6-1 BATTERY/P2CARD

Items/ Data Saved	Adjustable Range	Remarks
BATTERY SELECT – C U F –	PRO14 TRIM14 HYTRON50 HYTRON100 HYTRON120 DIONIC90 DIONIC160 HP-90L BP-H120 NP-L50 ENDURA50 ENDURA80 BP-L60/90 NiCd14 NiCd13 NiCd12 TYPE A TYPE B	Select the battery to use. Remaining capacity detection is also performed according to the selected battery. The selectable battery types change depending on the settings under [8-6-2 BATTERY SETTING1] and [8-6-3 BATTERY SETTING2].
EXT DC IN SELECT – C U F –	AC_ADPT PRO14 TRIM14 HYTRON50 HYTRON100 HYTRON120 DIONIC90 DIONIC160 HP-90L BP-H120 NP-L50 ENDURA50 ENDURA80 BP-L60/90 NiCd14 NiCd13 NiCd12 TYPE A TYPE B	Set the remaining capacity detection type when a battery is connected to the DC IN connector. Remaining capacity detection is also performed according to the selected battery type. The selectable battery types change depending on the settings under [8-6-2 BATTERY SETTING1] and [8-6-3 BATTERY SETTING2]. **<Note>** The % display is disabled even when a digital battery is connected to the DC IN connector.
BATT NEAR END ALARM – C U F –	ON OFF	Select whether or not to set the alarm to beep for BATT NEAR END ALARM.
BATT NEAR END CANCEL – C U F –	ON OFF	If set to ON, the warning tone and indication can be canceled by pressing the MODE CHECK button when BATT NEAR END ALARM is triggered.
BATT END ALARM – C U F –	ON OFF	Select whether or not to set the alarm to beep for BATT END ALARM.
BATT REMAIN FULL – C U F –	70% 100%	Set the display content of the remaining battery capacity indicator bars in the display window when using a digital battery. **70%:** Indicate FULL at 70% capacity. **100%:** Indicate FULL at 100% capacity.

The ____ in the Adjustable Range column indicates the preset mode.

Items/ Data Saved	Adjustable Range	Remarks
CARD NEAR END ALARM – C U F –	ON OFF	Select whether or not to set the alarm to beep for P2 CARD NEAR END ALARM.
CARD NEAR END TIME – C U F –	2min 3min	Set the remaining time to indicate the P2 CARD NEAR END TIME alarm.
CARD END ALARM – C U F –	ON OFF	Select whether or not to set the alarm to beep for P2 CARD END ALARM.
CARD REMAIN/ ■ – C U F –	3min/■ 5min/■	Set the length of time for one segment (■) of the P2 card's remaining capacity indicator bars. **3min/■:** One segment represents 3 minutes. **5min/■:** One segment represents 5 minutes.

8-6-2 BATTERY SETTING1

Items/ Data Saved	Adjustable Range	Remarks
PRO14 – C U F –	✳ •	Enable selection under BATTERY SELECT. ✳**:** Enable selection. • **:** Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
	11.0 : 13.9 : 15.0	When MANUAL is selected in the above menu, set the NEAR END voltage in 0.1 V steps.
TRIM14 – C U F –	✳ •	Enable selection under BATTERY SELECT. ✳**:** Enable selection. • **:** Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
	11.0 : 13.6 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
HYTRON50 – C U F –	✳ •	Enable selection under BATTERY SELECT. ✳**:** Enable selection. • **:** Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
	11.0 : 13.1 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
HYTRON100 – C U F –	✳ •	Enable selection under BATTERY SELECT. ✳**:** Enable selection. • **:** Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
	11.0 : 13.2 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
HYTRON120 – C U F –	✳ •	Enable selection under BATTERY SELECT. ✳**:** Enable selection. • **:** Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
	11.0 : 13.1 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.

The ____ in the Adjustable Range column indicates the preset mode.

Items/ Data Saved	Adjustable Range	Remarks
DIONIC90	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 13.6 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
DIONIC160	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 13.3 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
HP-90L	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 12.8 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
BP-H120	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 11.5 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
NP-L50	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 13.3 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.

Items/ Data Saved	Adjustable Range	Remarks
ENDURA50	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 13.1 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
ENDURA80	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 13.5 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
BP-L60/90	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. • : Disable selection.
	MANUAL AUTO	Select auto or manual to set the NEAR END voltage. **MANUAL:** Set voltage manually. **AUTO:** Set voltage automatically.
– C U F –	11.0 : 11.2 : 15.0	When MANUAL is selected in the menu above, set the NEAR END voltage in 0.1 V steps.

<Note>

The remaining battery capacity for digital batteries is displayed as % inside the viewfinder (PRO14/TRIM14/ HYTRON50/HYTRON100/HYTRON120/DIONIC90/ DIONIC160/NP-L50/ENDURA50/ENDURA80).

The BATT NEAR END alarm, however, is triggered according to the setting on the <BATTERY SETTING1> screen, regardless of the % indication.

The ____ in the Adjustable Range column indicates the preset mode.

8-6-3 BATTERY SETTING2

Items/ Data Saved	Adjustable Range	Remarks
NiCd14	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. •: Disable selection.
NEAR END	11.0 : 13.6 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END – C U F –	11.0 : 13.2 : 15.0	When MANUAL is selected in the menu above, set the END voltage in 0.1 V steps.
NiCd13	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. •: Disable selection.
NEAR END	11.0 : 12.7 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END – C U F –	11.0 : 12.2 : 15.0	When MANUAL is selected in the menu above, set the END voltage in 0.1 V steps.
NiCd12	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. •: Disable selection.
NEAR END	11.0 : 11.5 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END – C U F –	11.0 : 11.2 : 15.0	When MANUAL is selected in the menu above, set the END voltage in 0.1 V steps.
TYPE A	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. •: Disable selection.
FULL	12.0 : 15.0 : 17.0	Set the voltage to display the FULL indication in 0.1 V steps.
NEAR END	11.0 : 13.6 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END – C U F –	11.0 : 13.2 : 15.0	When MANUAL is selected in the menu above, set the END voltage in 0.1 V steps.
TYPE B	✳ •	Enable selection under BATTERY SELECT. ✳: Enable selection. •: Disable selection.
FULL	12.0 : 13.5 : 17.0	Set the voltage to display the FULL indication in 0.1 V steps.
NEAR END	11.0 : 11.8 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END – C U F –	11.0 : 11.1 : 15.0	When MANUAL is selected in the menu above, set the END voltage in 0.1 V steps.

8-6-4 MIC/AUDIO1

Items/ Data Saved	Adjustable Range	Remarks
FRONT VR CH1 – C U F –	OFF FRONT W.L. REAR ALL	Select whether or not to enable the FRONT AUDIO LEVEL control for the signal selected as the input signal to AUDIO CH1. **OFF:** Disabled for any input selected. Recording level does not change by turning the volume control. **FRONT:** Only enabled when FRONT is selected. **W.L.:** Only enabled when WIRELESS is selected. **REAR:** Only enabled when REAR is selected. **ALL:** Enabled for any input selected.
FRONT VR CH2 – C U F –	OFF FRONT W.L. REAR ALL	Select whether or not to enable the FRONT AUDIO LEVEL control for the signal selected as an input signal to AUDIO CH2. **OFF:** Disabled for any input selected. Recording level does not change by turning the volume control. **FRONT:** Only enabled when FRONT is selected. **W.L.:** Only enabled when WIRELESS is selected. **REAR:** Only enabled when REAR is selected. **ALL:** Enabled for any input selected.
MIC LOWCUT CH1 – C U F –	OFF FRONT W.L. REAR	Select the microphone low-cut filter.
MIC LOWCUT CH2 – C U F –	OFF FRONT W.L. REAR	Select the microphone low-cut filter.
LIMITER CH1 – C U F –	ON OFF	Select the limiter.
LIMITER CH2 – C U F –	ON OFF	Select the limiter.
25M REC CH SEL – C U F –	2CH 4CH	Select the audio channels to be recorded in the DVCPRO and DV formats. **2CH:** Only recorded in CH1 and CH2. **4CH:** Recorded in all channels from CH1 to CH4.
TEST TONE – C U F –	OFF NORMAL ALWAYS CHSEL	Select the test signal. **OFF:** Disable test tone output. **NORMAL:** Output test tones to CH1/2 when the OUTPUT/AUTO KNEE selector switch is set to BARS and the AUDIO IN switch CH1 is set to FRONT. **ALWAYS:** Output test tones to CH1/2 when OUTPUT/AUTO KNEE selector switch is set to BARS. **CHSEL:** Output test tone to the channels where the AUDIO IN switch CH1 or CH2 is set to FRONT when OUTPUT/AUTO KNEE selector switch is set to BARS. The test tone is not output to CH3 and CH4.

The ____ in the Adjustable Range column indicates the preset mode.

8-6-5 MIC/AUDIO2

Items/ Data Saved	Adjustable Range	Remarks
FRONT MIC POWER – C U F –	ON OFF	Select the phantom power supply for the front microphone.
REAR MIC POWER – C U F –	ON OFF	Select the phantom power supply for the rear microphone.
AUDIO OUT – C U F –	ON OFF	Set the audio output circuit. **OFF:** Power-down output circuit to disable output. **ON:** Enable output.
MONITOR SELECT – C U F –	STEREO MIX	Select the signal format for output to the PHONE (earphones) jack.
FRONT MIC LEVEL – C U F –	–40dB –50dB	Select the front microphone input level.
REAR MIC CH1 LVL – C U F –	–50dB –60dB	Select the rear microphone input level.
REAR MIC CH2 LVL – C U F –	–50dB –60dB	Select the rear microphone input level.
REAR LINE IN LVL – C U F –	–3dB 0dB +4dB	Select the rear line input level.
AUDIO OUT LVL – C U F –	–3dB 0dB +4dB	Select the audio output level.
HEADROOM – C U F –	18dB 20dB	Set the headroom (standard level).
WIRELESS WARN – C U F –	ON OFF	Select whether or not to enable the alarm to trigger for poor wireless receiver reception.

8-6-6 TC/UB

Items/ Data Saved	Adjustable Range	Remarks
TC MODE – C U F –	DF NDF	Set the time code mode. **DF:** Drop frame. **NDF:** Non drop frame.
UB MODE – C U F –	USER TIME DATE EXT TCG FRM RATE REGEN	Select the user bits mode. **USER:** Select UB value set in the LCD section. **TIME:** Select local time (hours, minutes, seconds). **DATE:** Select local date and time (2 last digits of year, month, date, time). **EXT:** When “CAM” or “VIDEO” is selected in the menu option REC SIGNAL in the SYSTEM MODE screen, user’s bit input to the TC IN connector is the reference. When “1394” is selected, user’s bit input to the DVCPRO/DV connector is the reference. If reading fails, USER value is retained. **TCG:** TCG value enters UB. **FRM RATE:** Select same camera shoting information (frame rate, etc.) with the VAUX UB (VITC UB). **REGEN:** Read out value stored in the card and record value continuously.
VITC UB MODE – C U F –	USER/EXT TIME DATE TCG FRM RATE REGEN	Select the user bits mode for VAUX TC (VITC). **USER/EXT:** If UB MODE is set to EXT, the EXT value is recorded. If not, USER value set by UB is recorded. **TIME:** Select local time (hours, minutes, seconds). **DATE:** Select local date and time (2 last digits of year, month, date, time). **TCG:** TCG value enters UB. **FRM RATE:** Select same camera shoting information (frame rate, etc.) with the VAUX UB (VITC UB). **REGEN:** Read out value stored in card and record value continuously.
TCG SET HOLD – C U F –	ON OFF	ON/OFF switching for the feature that always starts recording (when the power is turned ON again) the TCG value that was set before the power is turned OFF.

The ____ in the Adjustable Range column indicates the preset mode.

Items/ Data Saved	Adjustable Range	Remarks
FIRST REC TC – C U F –	PRESET REGEN	For the first recording after the power is turned on, a P2 card is inserted and then switching from this P2 card to another recording-target P2 card is performed, select whether or not to regenerate the time code as the value on the new P2 card. **PRESET:** Use the camera-recorder's internal time code. **REGEN:** For clips recorded on the recording-target P2 card, regenerate the time code as the time code of the clip that has the most recent date and time. **<Note>** Set the date and time accurately. For guidance on setting, see [4-5-2 Setting the Internal Clock's Date and Time].
P.OFF LCD DISPLAY – C U F –	ON OFF	Select whether or not to display the time code setting and counter indication on the LCD monitor when the power is turned OFF. **ON:** Display setting and indication while the power is turned OFF. **OFF:** Power-down LCD monitor while camera power is turned OFF. Setting and indication disabled.
TC OUT – C U F –	TCG TCG/TCR	Select the time code to be output to the time code output connector. **TCG:** Always output time code generator value. **TCG/TCR:** Display time code generator value in E-E mode, and time code reader value in V-V mode.

8-6-7 UMID SET/INFO

Items/ Data Saved	Adjustable Range	Remarks
COUNTRY – C U F –	NO-INFO	Input the user's country. NO-INFO is displayed until the input completes.
ORGANIZATION – C U F –	NO-INFO	Input the user's organisation or company name. NO-INFO is displayed until the input completes.
USER – C U F –	NO-INFO	Input the user name. NO-INFO is displayed until the input completes.
DEVICE NODE – – – – –		Indicate the product ID number.

<Note>

Please refer to [4-5-6 Setting UMID Information] for the UMID information setting.

8-7 FILE

8-7-1 SD CARD READ/WRITE

Items/ Data Saved	Adjustable Range	Remarks
R.SELECT – – – F –	1 : 8	Select the file number to read out.
READ – – – – –		Read out the data from the SD memory card.
W.SELECT – – – F –	1 : 8	Select the file number to write in.
WRITE – – – – –		Write the camera-recorder's menu data to the SD memory card.
CARD CONFIG – – – – –		Format the SD memory card.
TITLE READ – – – – –		Read out the title of the data recorded on the SD memory card.
TITLE1-8: – – – – –		Up to 8 letters can be set for the title name.

The ____ in the Adjustable Range column indicates the preset mode.

8-7-2 SD CARD R/W SELECT

Items/ Data Saved	Adjustable Range	Remarks
ID READ/ WRITE – – – F –	ON OFF	Select whether or not to include the CAMERA ID when reading out or writing to the SD memory card.
USER MENU SELECT R/W – – – F –	ON OFF	Select whether or not to include the FILE MENU settings when reading out or writing to the SD memory card.
SYSTEM MENU R/W – – – F –	ON OFF	Select whether or not to include the set values on the SYSTEM SETTING page when reading out or writing to the SD memory card.
PAINT MENU LEVEL R/W – – – F –	ON OFF	Select whether or not to include the adjusted values on the PAINT page when reading out or writing to the SD memory card.
PAINT MENU SW(■) R/W – – – F –	ON OFF	Select whether or not to include the set values on the PAINT MENU page when reading out or writing to the SD memory card.
PAINT (FLARE) R/W – – – F –	ON OFF	Select whether or not to include the set values on the FLARE page when reading out or writing to the SD memory card.
VF MENU R/W – – – F –	ON OFF	Select whether or not to include the set values on the VF page when reading out or writing to the SD memory card.
CAM OPE MENU R/W – – – F –	ON OFF	Select whether or not to include the set values on the CAM OPERATION page when reading out or writing to the SD memory card.
MAIN OPE MENU R/W – – – F –	ON OFF	Select whether or not to include the set values on the MAIN OPERATION page when reading out or writing to the SD memory card.
MAINTE MENU R/W – – – F –	ON OFF	Select whether or not to include the set values on the MAINTENANCE page when reading out or writing to the SD memory card.

8-7-3 LENS FILE

Items/ Data Saved	Adjustable Range	Remarks
FILE NO. – – – – –	1 : 8	Select the lens file number.
READ – – – – –		Read the lens file data.
WRITE – – – – –		Write the lens file data.
TITLE1-8 – – – – –		Up to 12 letters can be set for the title name.

8-7-4 SCENE

Items/ Data Saved	Adjustable Range	Remarks
READ USER DATA – – – – –		Read out the data from the user area in the memory.
SCENE SEL – – – – –	1 : 4	Select the scene file.
READ – – – – –		Read the scene file.
WRITE – – – – –		Write the scene file.
RESET – – – – –		Reset the scene file values to the initial values.
TITLE 1-4 – – – – –		Create the scene file title.

8-7-5 INITIALIZE

Items/ Data Saved	Adjustable Range	Remarks
READ FACTORY DATA – – – – –		The menu (USER MENU, MAIN MENU, OPTION MENU) values are all reset to factory settings.
WRITE USER DATA – – – – –		Save the user preference menu data in the camera's internal memory.
RESET LENS FILES – – – – –		Reset the lens file data to the factory settings.

The ____ in the Adjustable Range column indicates the preset mode.

8-8 MAINTENANCE

8-8-1 SYSTEM CHECK

Items/ Data Saved	Adjustable Range	Remarks
COLOR CHECK – – – – –	ON OFF	ON/OFF switching for checking proper operation of the camera-recorder. Displays the center Y and RGB levels on the viewfinder to indicate whether the signals have been properly processed and transmitted from the optical system to the digital system.

8-8-2 LENS ADJ

Items/ Data Saved	Adjustable Range	Remarks
F2.8 ADJ – – – – –	ON OFF	The iris is only set to F2.8 when this item set to ON.
F16 ADJ – – – – –	ON OFF	The iris is only set to F16 when this item set to ON.

8-8-3 BLACK SHADING

Items/ Data Saved	Adjustable Range	Remarks
CORRECT – C U F E	ON OFF	ON/OFF switching for digital black shading compensation.
DETECTION (DIG) – – – – –	–	Execute digital black shading compensation.

8-8-4 WHITE SHADING

Items/ Data Saved	Adjustable Range	Remarks
CORRECT – C U F E	ON OFF	ON/OFF switching for white shading compensation.
DETECTION (V SAW) – – – – –	–	Execute white shading compensation.

8-8-5 DIAGNOSTIC1

Items/ Data Saved	Adjustable Range	Remarks
CAMSOFT(IN) – – – – –		Display the software version for the microprocessor-controlled flash.
CAMSOFT (OUT) – – – – –		Display the software version for the external flash.
CAM TABLE – – – – –		Display the table version.
FONT ROM – – – – –		Display the character font version.
CAM DSP CPLD – – – – –		Display the program version for the CPLD (Complex Programmable Logic Device) that processes camera block signals.
CAM SYS FPGA – – – – –		Display the program version for the FPGA (Field Programmable Gate Array) that processes camera block signals.
PULSE FPGA – – – – –		Display the program version for the FPGA that processes the CCD scanning.

The ____ in the Adjustable Range column indicates the preset mode.

8-8-6 DIAGNOSTIC2

Items/ Data Saved	Adjustable Range	Remarks
SYSCON SOFT – – – – –		Display the software version for the system control microprocessor.
LCD SOFT – – – – –		Display the software version for the LCD microprocessor.
P2CS OS – – – – –		Display the OS version for the streaming controller.
P2CS AP – – – – –		Display the application version for the streaming controller.
MSC FPGA – – – – –		Display the program version for MSC FPGA streaming control and for recording/playback signal processing FPGA.
SIF FPGA – – – – –		Display the program version for the serial interface FPGA.
DIF FPGA – – – – –		Display program version for the IEEE1394 interface FPGA. (when AJ-YAD800G is attached).

8-8-7 HOURS METER

Items/ Data Saved	Adjustable Range	Remarks
OPERATION – – – – –		Display total hours the camera power has been turned ON.
LCD BACKLIGHT – – – – –		Display total hours the LCD monitor backlight power has been turned ON.
P.ON TIMES – – – – –		Display total number of times the power switch has been turned ON.

8-9 OPTION MENU

8-9-1 OPTION

Items/ Data Saved	Adjustable Range	Remarks
ENG SECURITY – C – – –	ON OFF	Select whether or not to prohibit opening the menu screen. **ON:** Menu screen cannot be opened. Please consult your distributor to release the setting. **OFF:** Menu screen can be opened.
ID MIX INH – C – – –	ON OFF	Select whether or not to inhibit mixing the ID in the camera image. **ON:** Inhibit mixing. ID is not mixed in the camera image. **OFF:** Do not inhibit. Camera ID setting under VF INDCATOR1 is reflected in the camera image.
AUDIO OUT DELAY – C – – –	DELAYED THROUGH	Select whether or not to delay audio, headphone and speaker outputs. **DELAYED:** Delay audio output in synchronisation with video output. **THROUGH:** Output audio input without delay. This setting prevents echo effect between the sound source and audio output when the sound source is near the camera-recorder.

<Note>

Menu options for setting 1394 are displayed when an IEEE1394 interface board (AJ-YAD800G, optional) is attached. For more information, see the AJ-YAD800G instruction manual.

The ____ in the Adjustable Range column indicates the preset mode.